Hungary

FDD Abstract [redacted]

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25X1C TIN SHORTAGE IN HUNGARY (1 p; [redacted]

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This document is the photostat of a one-page report dealing with the tin shortage in Hungary.

Tin is in very short supply in Hungary, as well as in the other Satellite countries. As a result, its use for purposes for the civilian economy has been stopped completely.

In the civilian economy tin is needed especially for the manufacture of bearings for railroad rolling stock. The tin content of bearings is 13-14 percent for freight cars, 25-30 percent for passenger cars, and 60-70 percent for locomotives. The rest of the alloy is lead.

The following methods are used in Hungary to substitute other materials for tin:

1. Roller bearings. However, shortage in roller bearings is as great as in tin.

2. Lead-bronze bearings which are as practical as tin alloy bearings. While lead and copper are scarce materials, there is probably a sufficient supply to meet the demands of the railroads.

3. Inferior substitutes include bearings composed of pure lead; various lead alloys, such as z zinc and antimony; and alloys containing a small amount of copper.

Repair of rolling stock bearings is assured for a long time through the utilization of the tin content of these bearings. However, the tin content is diminishing gradually.

The Hungarian State Railroads are introducing a bearing without tin content, invented by Lajos Tolgyes. The person of the inventor vouches, however, for the fact that this is not a bona fide invention but a disguised administrative order for the employment of a substitute material.

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/Foreign language document or microfilm of it is available from CIA Library, Ext [redacted]

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